

## Abstract

A communication system has a monitor, memory and one or more resources. The memory is connected to the monitor by a bus and stores tasks and data. Each of the resources is connected to the monitor by the bus and performs a function or executes a program. The bus is implemented by a plurality of adjacent sections, each section being implemented as an ASIC connected to a resource. Each ASIC is arranged to assign subbusses of the bus with variable width.